

291

2.2

2.3

HW

p66 27, 33, 37, 43-49, 64 p71-72 10, 11, 17, 19, 22, 23

27.

$$3x + y = 4$$

$$A=3 \quad B=1 \quad C=4$$

(33)

$$\frac{1}{2}x + \frac{1}{2}y = 6$$

37.

$$\left(\frac{5}{6}x + \frac{1}{15}y = \frac{3}{10} \right)^{30}$$

$$25x + 2y = 9$$

$$A=25 \quad B=2 \quad C=9$$

$$x + y = 12$$

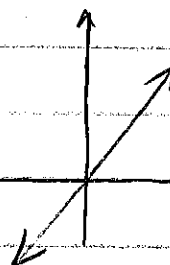
$$A=1 \quad B=1 \quad C=12$$

(43)

$$y = x$$

$$x\text{-int } 0,$$

$$y\text{-int } 0$$

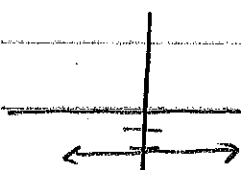


45.

$$y = -2$$

$$y\text{-int} = -2$$

$$\text{No } x\text{-int}$$

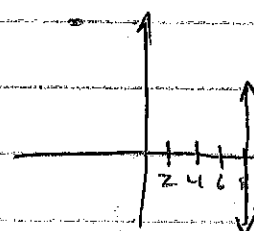


(47)

$$x = 8$$

$$x\text{-int } 8$$

$$y\text{-int } \text{N/A}$$

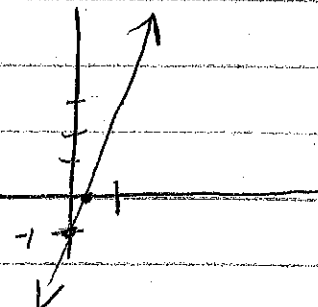


49.

$$f(x) = 4x - 1$$

$$y\text{-int} = -1$$

$$x\text{-int} = \frac{1}{4}$$



p71

10.

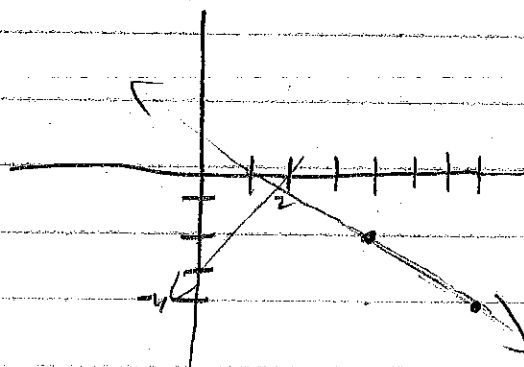
$$(4, -2)$$

$$\perp (3x - 2y = 6)$$

$$m = -\frac{2}{3}$$

$$-2y = -3x + 6$$

$$y = \left(\frac{3}{2}\right)x - 3$$



11.

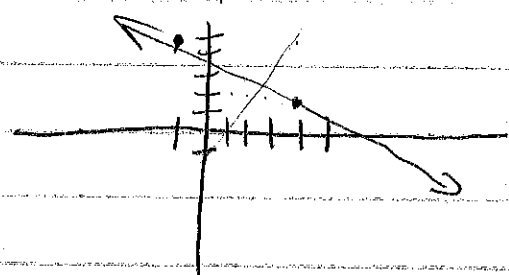
$$(-1, 5)$$

$$\perp 5x - 3y - 3 = 0$$

$$-\frac{3}{5} = m$$

$$5x - 3 = 3y$$

$$\left(\frac{5}{3}\right)x - 1 = y$$



$$17. (-6, -5)(4, 1)$$

$$m = \frac{1 - (-5)}{4 - (-6)} = \frac{6}{10}$$

$$m = \frac{3}{5}$$

$$19. (7, 8)(11, 8)$$

$$m = \frac{8 - 8}{11 - 7} = 0$$

$$m = 0$$

$$22. (4, -1.5)(4, 4.5)$$

$$m = \frac{4.5 - (-1.5)}{4 - 4}$$

$$\text{undefined}$$

$$23. \left(\frac{1}{2}, -\frac{1}{2}\right)\left(\frac{1}{4}, \frac{2}{3}\right)$$

$$m = \frac{\frac{2}{3} - (-\frac{1}{2})}{\frac{1}{4} - \frac{1}{2}} = \frac{\frac{1}{6}}{-\frac{1}{4}} = -\frac{4}{3}$$

$$m = -\frac{4}{3}$$